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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/585,817

DATE: 05/21/2003

TIME: 15:10:27

See page 6.

Input Set : A:\015270-005910US.APP

Output Set: N:\CRF4\05212003\I585817.raw

3 <110> APPLICANT: Schenk, Dale B.
 4 Elan Pharmaceuticals
 6 <120> TITLE OF INVENTION: Prevention and Treatment of Amyloidogenic Diseases
 8 <130> FILE REFERENCE: 015270-005910US
 10 <140> CURRENT APPLICATION NUMBER: US 09/585,817
 11 <141> CURRENT FILING DATE: 2000-06-01
 13 <150> PRIOR APPLICATION NUMBER: WO PCT/US00/25239
 14 <151> PRIOR FILING DATE: 2000-06-01
 16 <150> PRIOR APPLICATION NUMBER: US 60/137,010
 17 <151> PRIOR FILING DATE: 1999-06-01
 19 <160> NUMBER OF SEQ ID NOS: 34
 21 <170> SOFTWARE: PatentIn Ver. 2.1
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 13
 25 <212> TYPE: PRT
 26 <213> ORGANISM: Artificial Sequence
 28 <220> FEATURE:
 29 <223> OTHER INFORMATION: Description of Artificial Sequence:influenza
 30 hemagglutinin HA 307-319 universal T-cell epitope
 32 <400> SEQUENCE: 1
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 34 1 5 10
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 13
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Artificial Sequence
 42 <220> FEATURE:
 43 <223> OTHER INFORMATION: Description of Artificial Sequence:PADRE universal
 44 T-cell epitope
 46 <220> FEATURE:
 47 <221> NAME/KEY: MOD_RES
 48 <222> LOCATION: (3)
 49 <223> OTHER INFORMATION: Xaa = any amino acid
 51 <400> SEQUENCE: 2
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 53 1 5 10
 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 16
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Artificial Sequence
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: Description of Artificial Sequence:malaria CS T3
 63 epitope universal T-cell epitope

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65 <400> SEQUENCE: 3
66 Glu Lys Lys Ile Ala Lys Met Glu Lys Ala Ser Ser Val Phe Asn Val
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71 <211> LENGTH: 10
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence:Hepatitis B
77   surface antigen HBsAg 19-28 universal T-cell
78   epitope
80 <400> SEQUENCE: 4
81 Phe Phe Leu Leu Thr Arg Ile Leu Thr Ile
82   1           5           10
85 <210> SEQ ID NO: 5
86 <211> LENGTH: 19
87 <212> TYPE: PRT
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence:heat shock
92   protein 65 hsp65 153-171 universal T-cell epitope
94 <400> SEQUENCE: 5
95 Asp Gln Ser Ile Gly Asp Leu Ile Ala Glu Ala Met Asp Lys Val Gly
96   1           5           10           15
98 Asn Glu Gly
102 <210> SEQ ID NO: 6
103 <211> LENGTH: 14
104 <212> TYPE: PRT
105 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence:bacillus
109   Calmette-Guerin universal T-cell epitope
111 <400> SEQUENCE: 6
112 Gln Val His Phe Gln Pro Leu Pro Pro Ala Val Val Lys Leu
113   1           5           10
116 <210> SEQ ID NO: 7
117 <211> LENGTH: 15
118 <212> TYPE: PRT
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence:tetanus toxoid
123   TT 830-844 universal T-cell epitope
125 <400> SEQUENCE: 7
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127   1           5           10           15
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 21
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence

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135 <220> FEATURE:
 136 <223> OTHER INFORMATION: Description of Artificial Sequence:tetanus toxoid
 137 TT 947-967 universal T-cell epitope
 139 <400> SEQUENCE: 8
 140 Phe Asn Asn Phe Thr Val Ser Phe Trp Leu Arg Val Pro Lys Val Ser
 141 1 5 10 15
 143 Ala Ser His Leu Glu
 144 20
 147 <210> SEQ ID NO: 9
 148 <211> LENGTH: 16
 149 <212> TYPE: PRT
 150 <213> ORGANISM: Artificial Sequence
 152 <220> FEATURE:
 153 <223> OTHER INFORMATION: Description of Artificial Sequence:HIV gp120 T1
 154 universal T-cell epitope
 156 <400> SEQUENCE: 9
 157 Lys Gln Ile Ile Asn Met Trp Gln Glu Val Gly Lys Ala Met Tyr Ala
 158 1 5 10 15
 161 <210> SEQ ID NO: 10
 162 <211> LENGTH: 22
 163 <212> TYPE: PRT
 164 <213> ORGANISM: Artificial Sequence
 166 <220> FEATURE:
 167 <223> OTHER INFORMATION: Description of Artificial Sequence:AN90549 (Abeta
 168 1-7/tetanus toxoid 830-844 in a MAP4
 169 configuration)
 171 <400> SEQUENCE: 10
 172 Asp Ala Glu Phe Arg His Asp Gln Tyr Ile Lys Ala Asn Ser Lys Phe
 173 1 5 10 15
 175 Ile Gly Ile Thr Glu Leu
 176 20
 179 <210> SEQ ID NO: 11
 180 <211> LENGTH: 28
 181 <212> TYPE: PRT
 182 <213> ORGANISM: Artificial Sequence
 184 <220> FEATURE:
 185 <223> OTHER INFORMATION: Description of Artificial Sequence:AN90550 (Abeta
 186 1-7/tetanus toxoid 947-967 in a MAP4
 187 configuration)
 189 <400> SEQUENCE: 11
 190 Asp Ala Glu Phe Arg His Asp Phe Asn Asn Phe Thr Val Ser Phe Trp
 191 1 5 10 15
 193 Leu Arg Val Pro Lys Val Ser Ala Ser His Leu Glu
 194 20 25
 197 <210> SEQ ID NO: 12
 198 <211> LENGTH: 43
 199 <212> TYPE: PRT
 200 <213> ORGANISM: Artificial Sequence
 202 <220> FEATURE:

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203 <223> OTHER INFORMATION: Description of Artificial Sequence:AN 90542 (Abeta
 204 1-7/tetanus toxoid 830-844 + 947-967 in a linear
 205 configuration)

207 <400> SEQUENCE: 12

208 Asp Ala Glu Phe Arg His Asp Gln Tyr Ile Lys Ala Asn Ser Lys Phe

209 1 5 10 15

211 Ile Gly Ile Thr Glu Leu Phe Asn Asn Phe Thr Val Ser Phe Trp Leu

212 20 25 30

214 Arg Val Pro Lys Val Ser Ala Ser His Leu Glu

215 35 40

218 <210> SEQ ID NO: 13

219 <211> LENGTH: 22

220 <212> TYPE: PRT

221 <213> ORGANISM: Artificial Sequence

223 <220> FEATURE:

224 <223> OTHER INFORMATION: Description of Artificial Sequence:AN 90576 (Abeta

225 3-9/tetanus toxoid 830-844 in a MAP4

226 configuration)

228 <400> SEQUENCE: 13

229 Glu Phe Arg His Asp Ser Gly Gln Tyr Ile Lys Ala Asn Ser Lys Phe

230 1 5 10 15

232 Ile Gly Ile Thr Glu Leu

233 20

236 <210> SEQ ID NO: 14

237 <211> LENGTH: 20

238 <212> TYPE: PRT

239 <213> ORGANISM: Artificial Sequence

241 <220> FEATURE:

242 <223> OTHER INFORMATION: Description of Artificial Sequence:AN90562 (Abeta

243 1-7/peptide on linear conformation)

245 <220> FEATURE:

246 <221> NAME/KEY: MOD_RES

247 <222> LOCATION: (3)

248 <223> OTHER INFORMATION: Xaa = any amino acid

250 <400> SEQUENCE: 14

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252 1 5 10 15

254 Phe Arg His Asp

255 20

258 <210> SEQ ID NO: 15

259 <211> LENGTH: 34

260 <212> TYPE: PRT

261 <213> ORGANISM: Artificial Sequence

263 <220> FEATURE:

264 <223> OTHER INFORMATION: Description of Artificial Sequence:AN90543 (Abeta

265 1-7 X 3/peptide in linear conformation)

267 <220> FEATURE:

268 <221> NAME/KEY: MOD_RES

269 <222> LOCATION: (24)

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270 <223> OTHER INFORMATION: Xaa = any amino acid
 272 <400> SEQUENCE: 15
 273 Asp Ala Glu Phe Arg His Asp Asp Ala Glu Phe Arg His Asp Asp Ala
 274 1 5 10 15
 W--> 276 Glu Phe Arg His Asp Ala Lys Xaa Val Ala Ala Trp Thr Leu Lys Ala
 277 20 25 30
 279 Ala Ala
 283 <210> SEQ ID NO: 16
 284 <211> LENGTH: 34
 285 <212> TYPE: PRT
 286 <213> ORGANISM: Artificial Sequence
 288 <220> FEATURE:
 289 <223> OTHER INFORMATION: Description of Artificial Sequence:fusion protein
 290 with Abeta immunogenic epitope
 292 <220> FEATURE:
 293 <221> NAME/KEY: MOD_RES
 294 <222> LOCATION: (3)
 295 <223> OTHER INFORMATION: Xaa = any amino acid
 297 <400> SEQUENCE: 16
 W--> 298 Ala Lys Xaa Val Ala Ala Trp Thr Leu Lys Ala Ala Ala Asp Ala Glu
 299 1 5 10 15
 301 Phe Arg His Asp Asp Ala Glu Phe Arg His Asp Asp Ala Glu Phe Arg
 302 20 25 30
 304 His Asp
 308 <210> SEQ ID NO: 17
 309 <211> LENGTH: 20
 310 <212> TYPE: PRT
 311 <213> ORGANISM: Artificial Sequence
 313 <220> FEATURE:
 314 <223> OTHER INFORMATION: Description of Artificial Sequence:fusion protein
 315 with Abeta immunogenic epitope
 317 <220> FEATURE:
 318 <221> NAME/KEY: MOD_RES
 319 <222> LOCATION: (10)
 320 <223> OTHER INFORMATION: Xaa = any amino acid
 322 <400> SEQUENCE: 17
 W--> 323 Asp Ala Glu Phe Arg His Asp Ala Lys Xaa Val Ala Ala Trp Thr Leu
 324 1 5 10 15
 326 Lys Ala Ala Ala
 327 20
 330 <210> SEQ ID NO: 18
 331 <211> LENGTH: 24
 332 <212> TYPE: PRT
 333 <213> ORGANISM: Artificial Sequence
 335 <220> FEATURE:
 336 <223> OTHER INFORMATION: Description of Artificial Sequence:fusion protein
 337 with Abeta immunogenic epitope
 339 <400> SEQUENCE: 18
 340 Asp Ala Glu Phe Arg His Asp Ile Ser Gln Ala Val His Ala Ala His

RAW SEQUENCE LISTING ERROR SUMMARY

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 3

Seq#:14; Xaa Pos. 3

Seq#:15; Xaa Pos. 24

Seq#:16; Xaa Pos. 3

Seq#:17; Xaa Pos. 10

Seq#:32; Xaa Pos. 2

Seq#:33; Xaa Pos. 1

VERIFICATION SUMMARY

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Input Set : **A:\015270-005910US.APP**Output Set: **N:\CRF4\05212003\I585817.raw**

L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:16
L:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0